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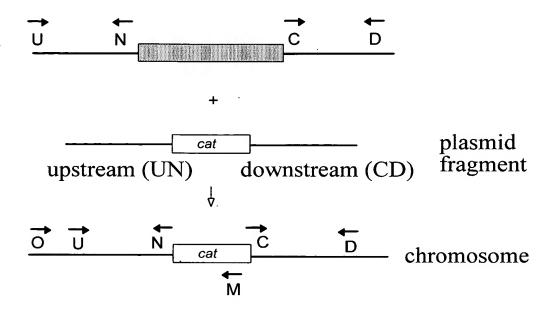
App No.: Not Yet Assigned Docket No.: UMY-046

Inventor: Kenan C. MURPHY

Title: IMPROVED REAGENTS FOR RECOMBINOGENIC

**ENGINEERING AND USES THEREOF** 

#### A. $\lambda$ Red recombination with plasmid substrates



#### B. $\lambda$ Red recombination with PCR substrates

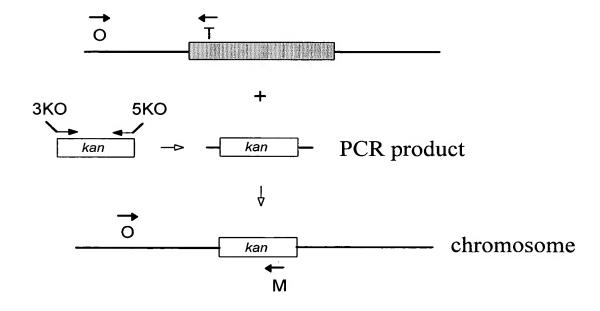
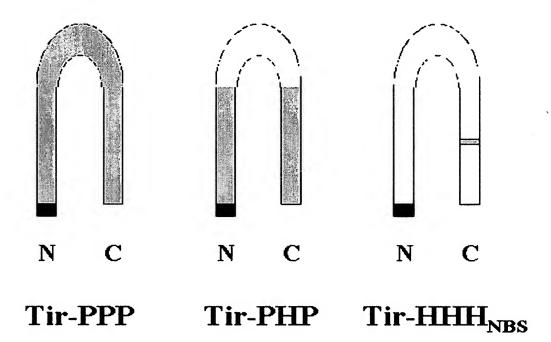


Figure 1

Docket No.: UMY-046

Title: IMPROVED REAGENTS FOR RECOMBINOGENIC

**ENGINEERING AND USES THEREOF** 



Murphy and Campellone, Figure 2A

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Tir:  $\underline{Tir\text{-}PHP} \ \underline{Tir\text{-}HHH}_{NBS}$ Tir-PPP Location: P  $\underline{\mathbf{C}}$ P  $\mathbf{C}$  $\mathbf{C}$ 90kDa HA-Tir: 80kDa - 70kDa N-WASP: - 40kDa OmpA: - 30kDa

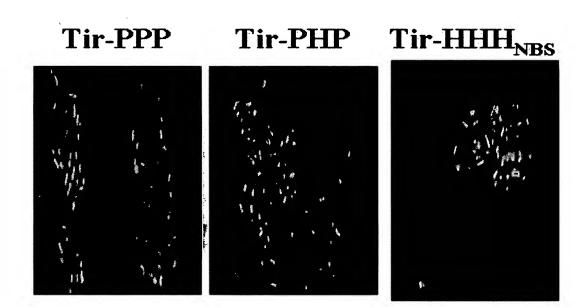
Murphy and Campellone, Figure 2B

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## **Plasmid Expression**



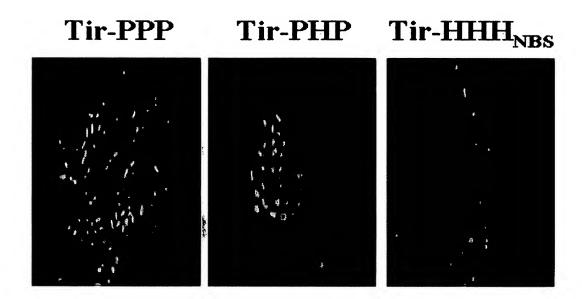
Murphy and Campellone, Figure 3A

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## **Chromosomal Expression**



Murphy and Campellone, Figure 3B

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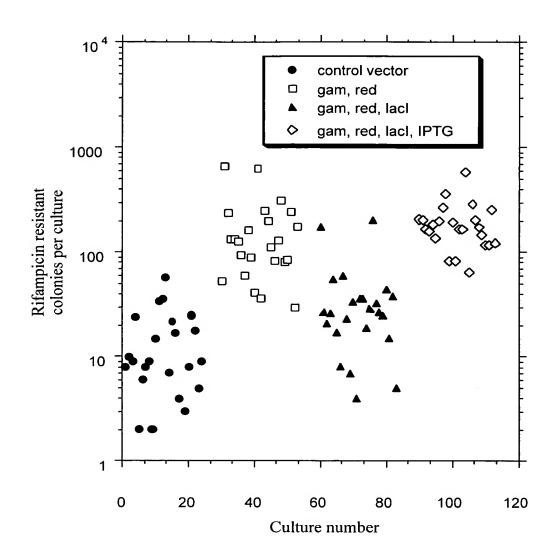


Figure 4

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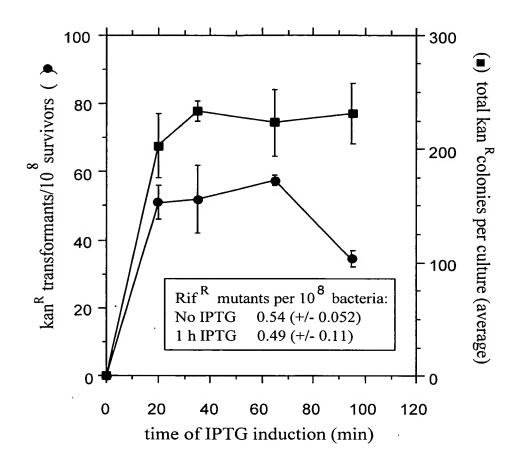


Figure 5